FIGURE 1

OIPE JC68
MAY 0 5 2004
PATENT & TRADEMARK OFFICE

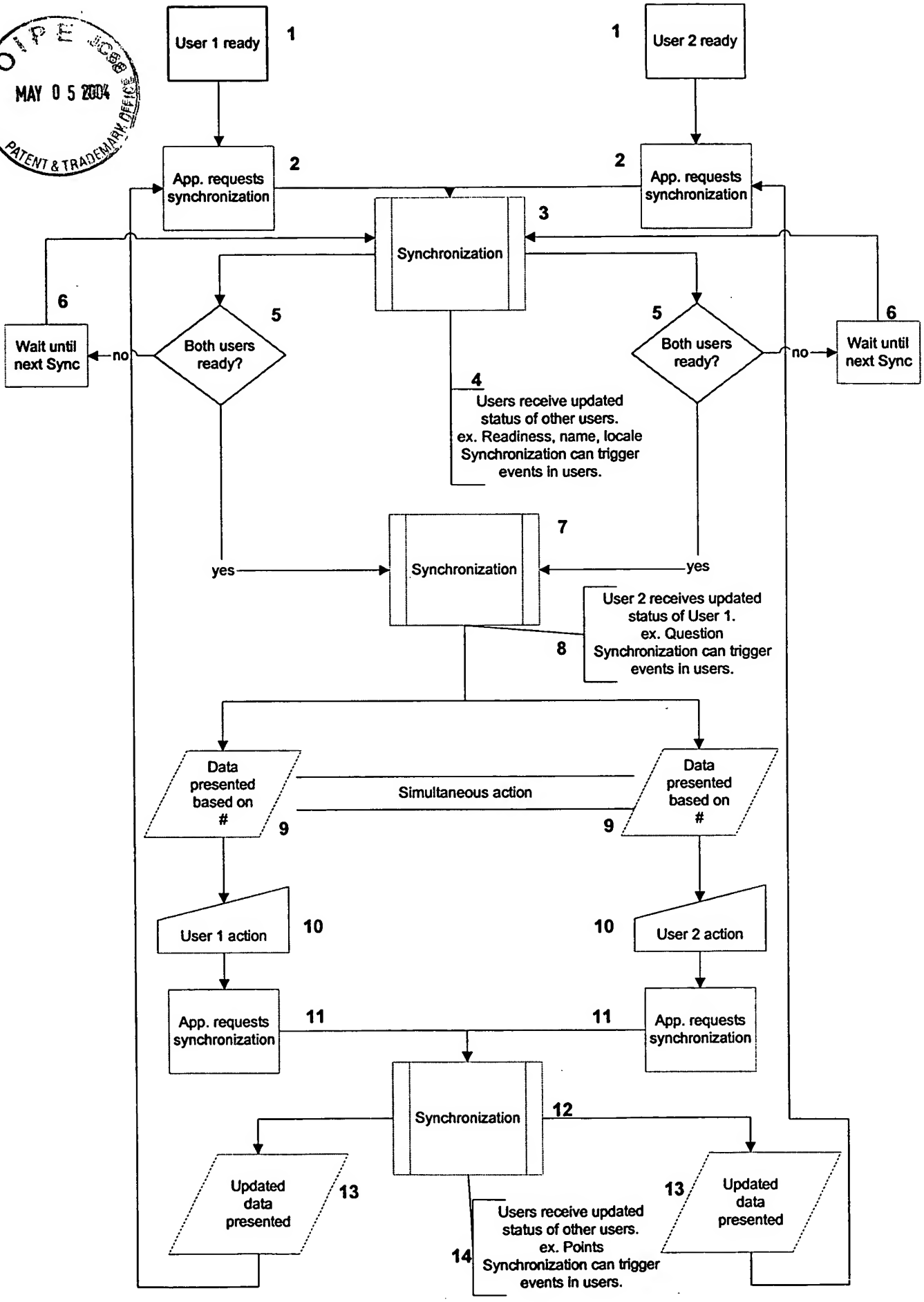


FIGURE 2

Synchronization Process

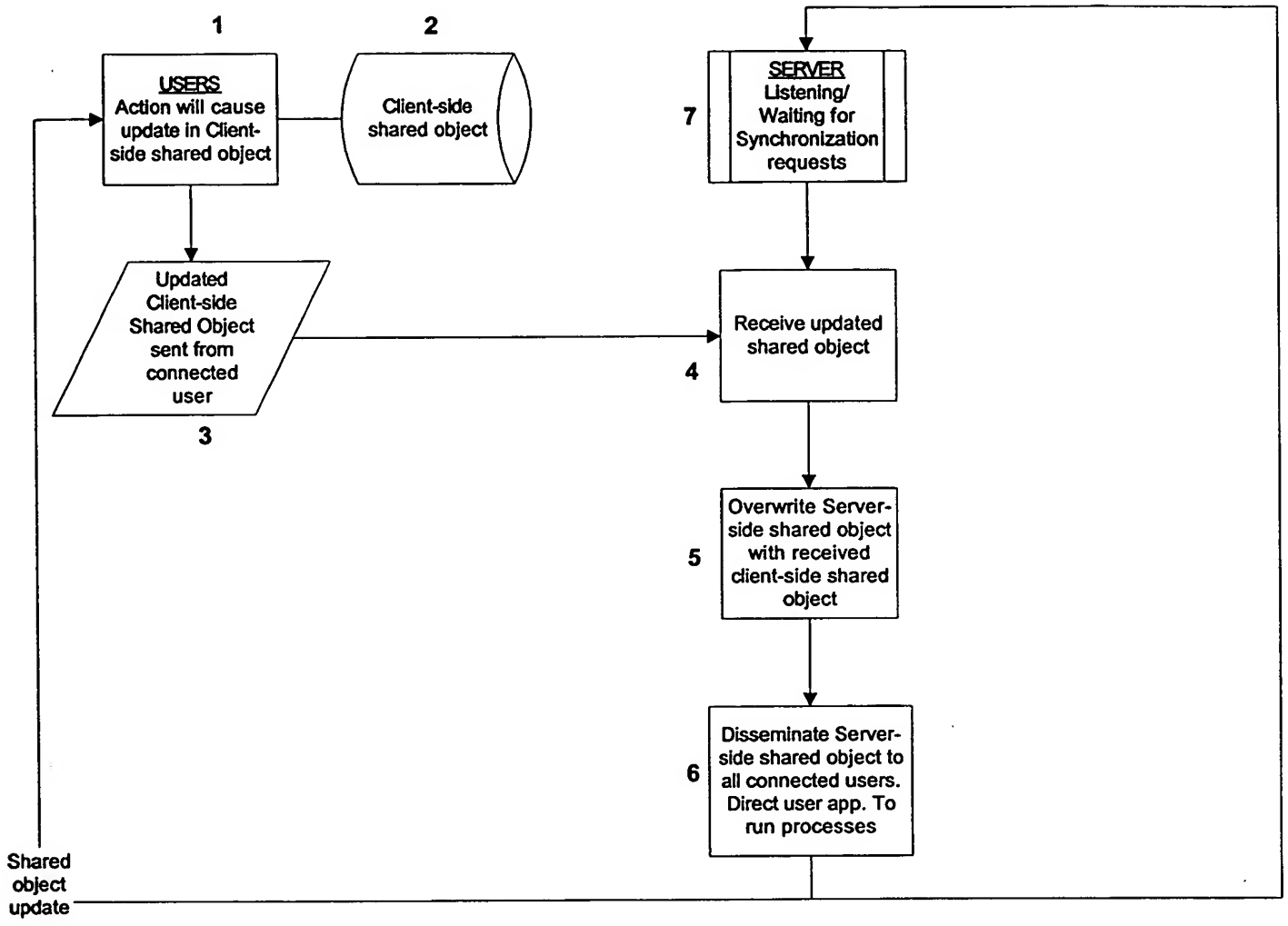


FIGURE 3

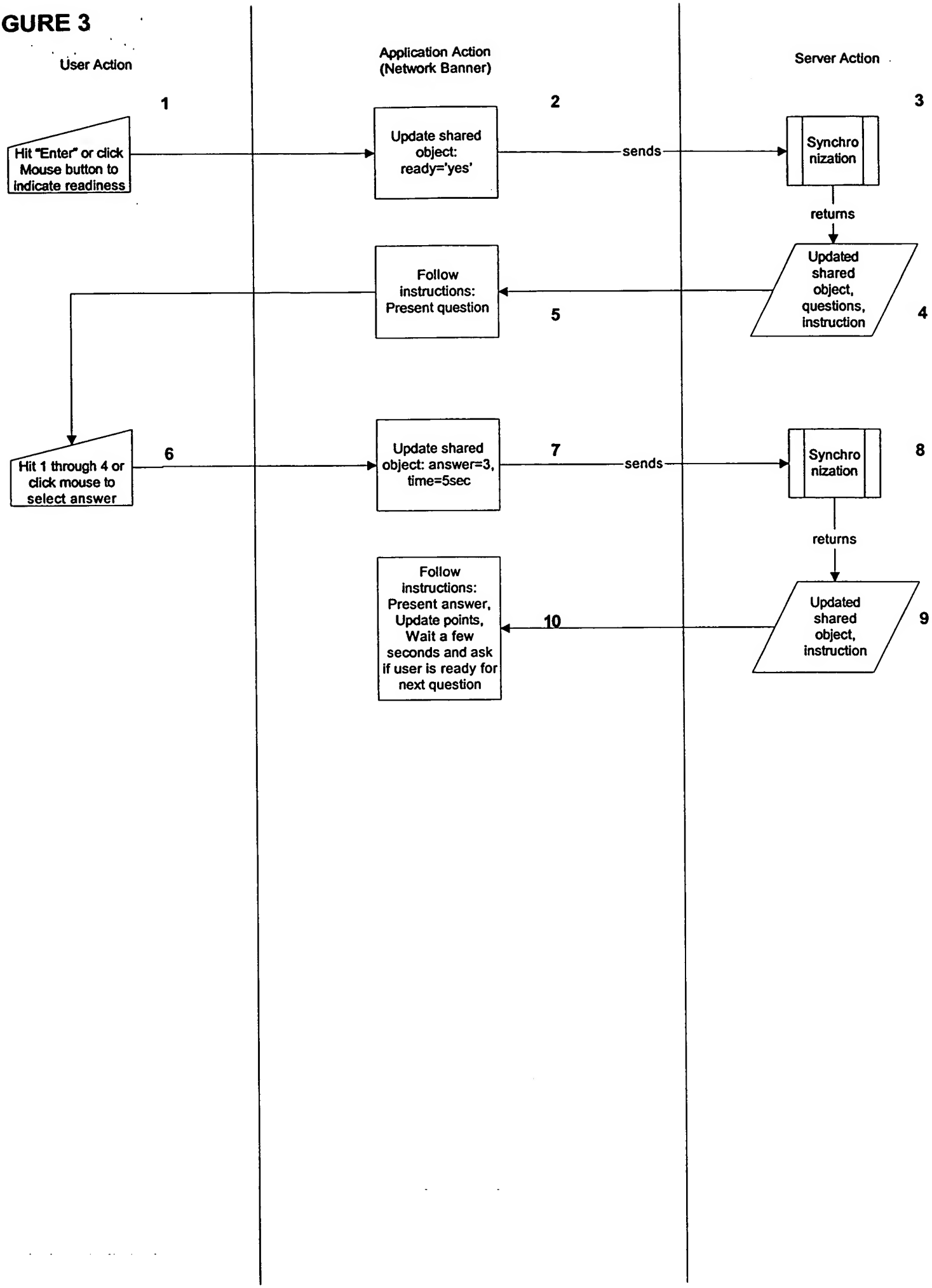

User Action
Application Action (Network Banner)
Server Action
1
2
3
Hit "Enter" or click Mouse button to indicate readiness
Update shared object: ready='yes'
sends
Synchro nization
returns
Updated shared object, questions, instruction
4
Follow instructions: Present question
5
6
Hit 1 through 4 or click mouse to select answer
Update shared object: answer=3, time=5sec
7
sends
Synchro nization
8
returns
Updated shared object, instruction
9
10
Follow instructions: Present answer, Update points, Wait a few seconds and ask if user is ready for next question

FIGURE 4

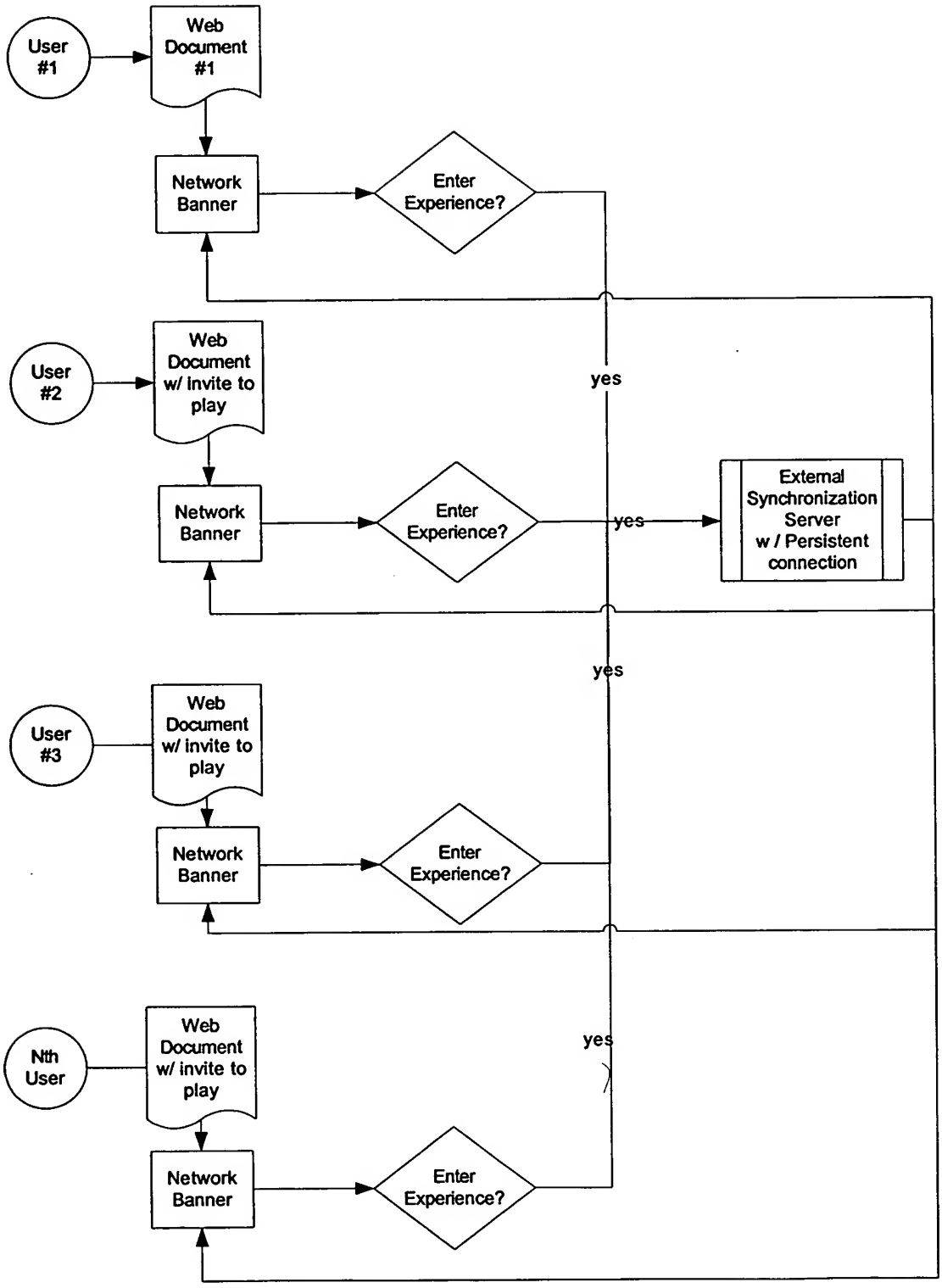

User #1
Web Document #1
Network Banner
Enter Experience?
yes
User #2
Web Document w/ invite to play
Network Banner
Enter Experience?
yes
External Synchronization Server w / Persistent connection
yes
User #3
Web Document w/ invite to play
Network Banner
Enter Experience?
yes
Nth User
Web Document w/ invite to play
Network Banner
Enter Experience?

FIGURE 5

User Experience

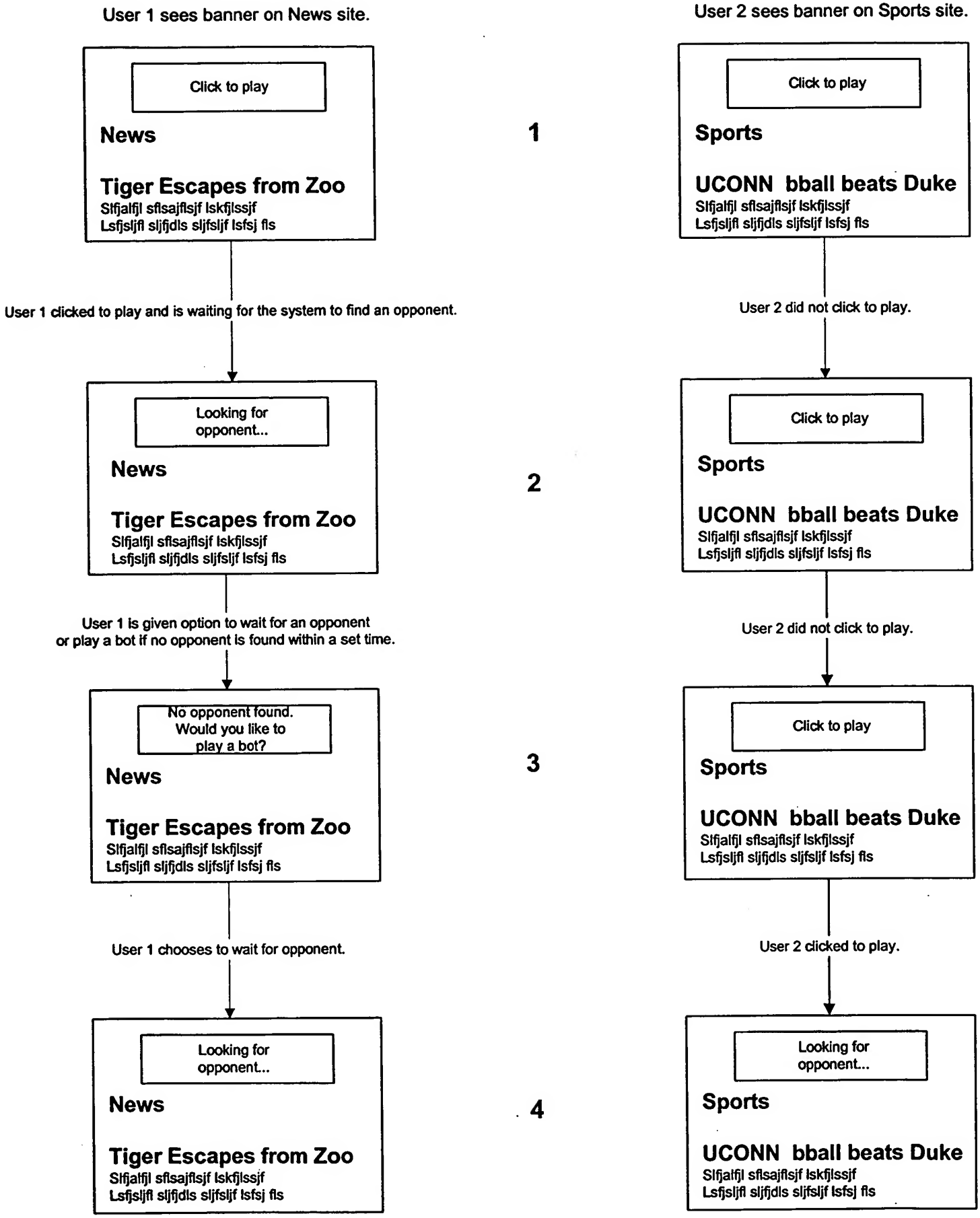
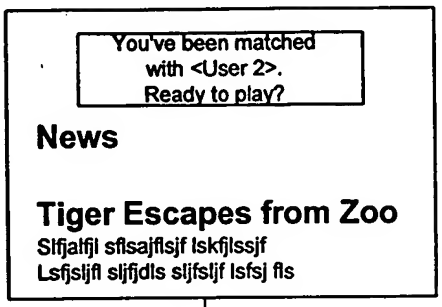


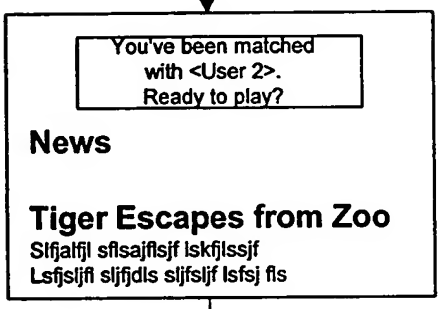
FIGURE 5 cont.

System matches User 1 with User 2.

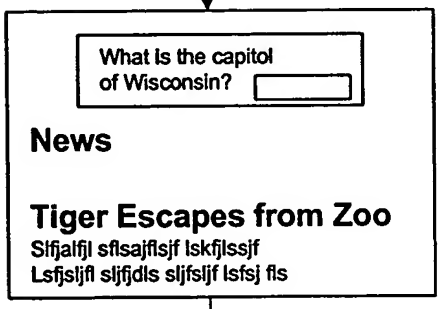
User 1 is notified of match and prompted to start.



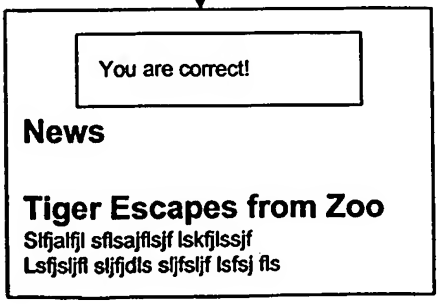
User 1 has not indicated readiness.



User 1 indicated readiness.



User 1 answers question and waits for User 2 to respond.



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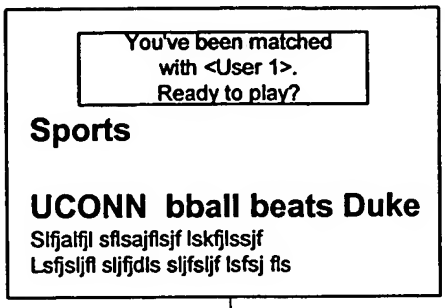
6

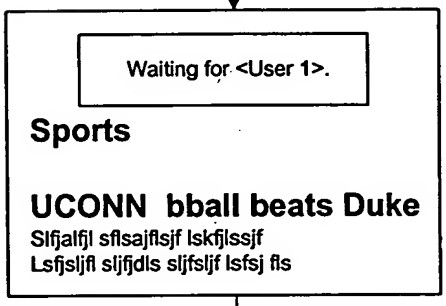
7

8

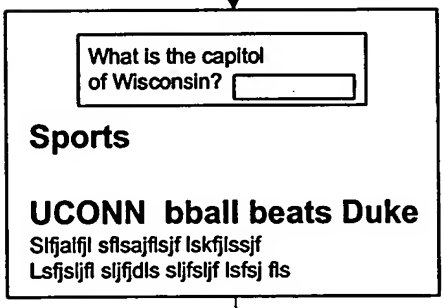
User 2 is notified of match and prompted to start.



User 2 indicated readiness.



User 2 indicated readiness.



User 2 has not answered.

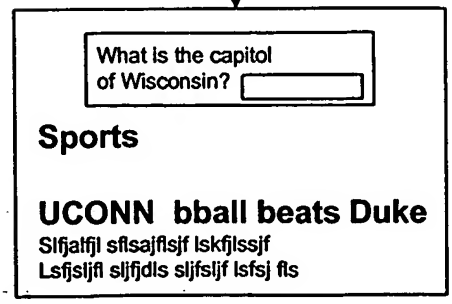
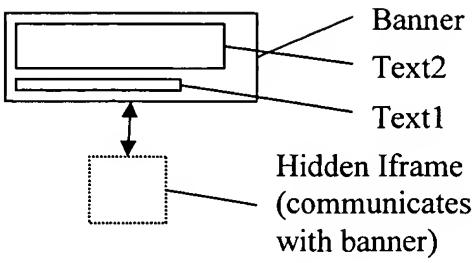
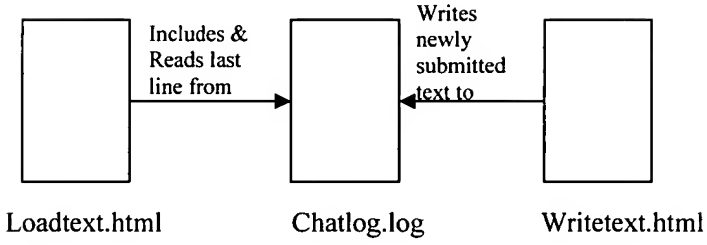


FIGURE 6


Banner
Text2
Text1
Hidden Iframe
(communicates
with banner)


Includes &
Reads last
line from
Writes
newly
submitted
text to
Loadtext.html
Chatlog.log
Writetext.html

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